Orange County Real Time Network

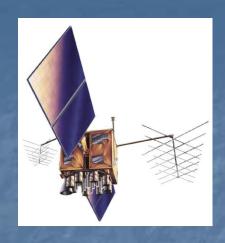


OCRTN

County of Orange, California
Arthur R. Andrew III



OCRTN



- Consists of 10 real time CGPS stations throughout Orange County.
- Stations were part of the SCIGN network.
- Real time data available to anyone at NO cost.
- OCRTN is a sub-network of California Real Time Network (CRTN).

California Real Time Network

(CRTN)

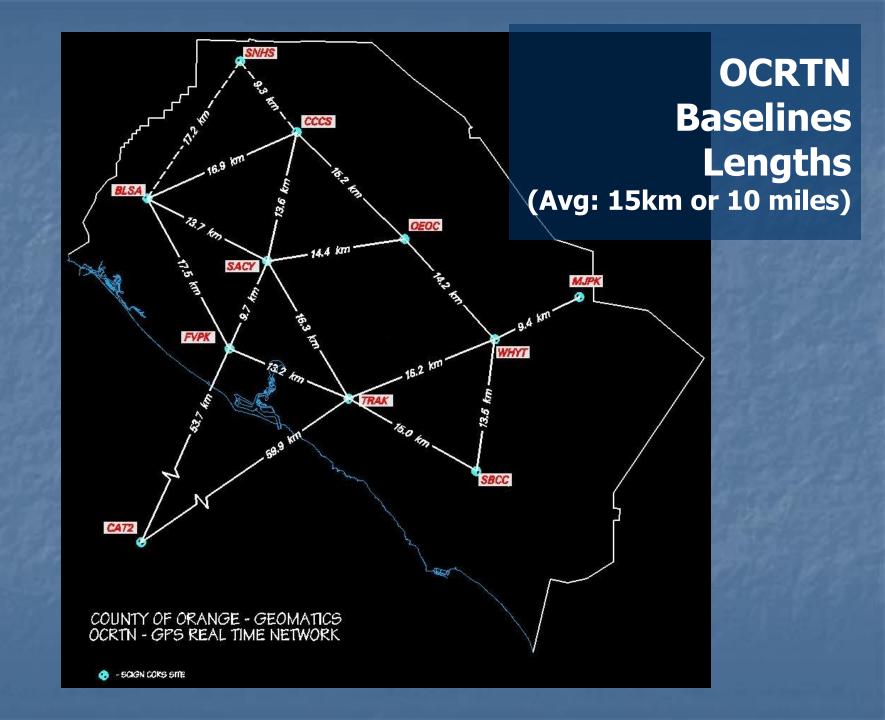
- San Diego County (SDCRTN)
- Imperial County (ICRTN)
- Orange County (OCRTN)
- Riverside County (RCRTN)
- Los Angeles County (LACRTN)
- Parkfield (PRTN)
- Central Valley (CVSRN)



CRTN

OCRTN







OCRTN - Current RTK Data Streams

Single Base Station Mode:

Standard RTK using RTCM 2.2. User has ability to pick and choose base station.

Nearest Base Station Mode:

Standard RTK using RTCM 2.2. Server picks the closest base station to the rover position.

Network Solution:

Requires user to have proprietary software.

OCRTN - Datum & Epochs

OCRTN Server

CRTN Server

NAD 83

1991.35 Epoch

NAD 83

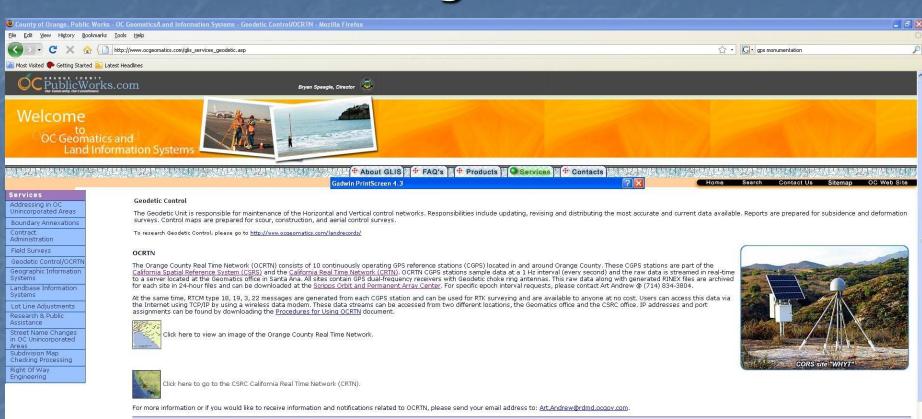
2007.00 Epoch

All 10 stations were included in the NAD 83 (NSRS)

National Readjustment.

Station TRAK is part of the NGS CORS network.

www.ocgeomatics



OCRTN Related Downloadable Documents - PDF files unless otherwise noted.

Procedures for Using OCRTN OCRTN Components OCRTN POB Article August 2003

Santa Ana River Calibration Base Line



Santa Ana River Calibration Base Line

The Santa Ana River Calibration Base Line was established in 1972 and is maintained by the Orange County Surveyor. It is located on the east bank of the Santa Ana River between Lincoln Avenue and Ball Road, in the city of Orange. It was designed for calibration of EDM equipment and is available to the private and public companies and agencies without charge.

In cooperation with the National Geodetic Survey (NGS), the SAR calibration base line is now part of the NGS EDMI Calibration Base Lines. The base line was re-measured in June 2006 by the G/LIS Geodetic Unit after being trained by the NGS in using their equipment and procedures.

Click here to download the "Santa Ana River Calibration Base Line" form























http://sopac.ucsd.edu/projects/realtime/

